Manual

# LED Accu Pad 7 7x10 W RGBWAUV white

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# 1. Safety instructions

- This device is suitable for indoor use (not outdoors) only.
- All modifications to the device will void the warranty.
- Repairs are to carry out by skilled personnel only.
- Use only fuses of the same type and original parts as spare parts.
- Protect the unit from rain and humidity to avoid fire and electric shocks.
- Make sure to unplug the power supply before opening the housing.

## 1.1. FOR SAFE AND EFFICIENT OPERATION

**Be careful with heat and extreme temperature**
Avoid exposing it to direct rays of the sun or near a heating appliance.
Not put it in a temperature bellow 32°F /0°C, or exceeding 104°F /35°C.

**Keep away from humidity, water and dust**
Do not place the set in a location with high humidity or lots of dust.
Containers with water should not be placed on the set.

**Keep away from sources of hum and noise**
Such as transformer motor, tuner, TV set and amplifier.

**To avoid placing on un-stable location**
Select a level and stable location to avoid vibration.

**Do not use chemicals or volatile liquids for cleaning**
Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

**If out of work, contact sales agency immediately**
Any troubles arose, remove the power plug soon, and contact with an engineer for repairing, do not open the cabinet by yourself, it might result a danger of electric shock.

**Take care with the power cable**
Never pull the power cable to remove the plug from the receptacle, be sure to hold the plug. When not using the device for an extended period of time, be sure to disconnect the plug from the receptacle.

**Important: Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems. Make sure the electrical connection is carried out by qualified personnel. All electrical and mechanical connections have to be carried out according to the European safety standards.**

## 2. Designated use

This device was developed for professional use on stages, in discos, theatres etc. The device is only approved for a connection up to 230V 50/60 Hz AC voltage and only for indoor use.

Regular breaks during operation increase the lifetime of your device.

Avoid convulsions or any form of forceful impact during the installation or the start-up of the device.

Make sure that the device is not exposed excessive heat, humidity or dust at the place of installation. Take care that no cables are lying around. You would endanger your own safety and also the safety of a third party.

It is not allowed to operate or store the device in an environment in which spray water, rain, humidity or fog is expected. Humidity or very high atmospheric humidity could reduce the isolation of the device and could cause deathly electric shocks. If you use fog devices the device has not be exposed to a direct smoke jet. There has to be a safety distance of at least 0.5m between this device and the fog machine. Make sure that the saturation of the fog has to enable a visibility of at least 10m.

The ambient temperature has to be between 0°C and +40°C. Avoid direct sunlight and close proximity to heaters. You have also to attend it during the transport in closed motor vehicles.

You have to attend that with an ambient temperature von 40°C it is not allowed that the relative humidity exceeds 50%.
Operate the device not during thunderstorms. Surge voltages could destroy the device. Unplug the power supply during thunderstorms.

During the installation the use of the mounting bracket is obligatory.

Surrounding objects or surfaces should not be in contact with the device.

Make sure that during the installation and removal of the device the area below the place of installation is basically cordoned off. This also applies to implementation of service.

The device has basically been protected by a suitable safety.

Make familiar yourself with the functions of the device before start-up. People without the experience should not handle with the device. The most cause of functional disorder is inappropriate handling.

Do not use chemicals or volatile liquids for cleaning. Use a clean dry cloth to wipe off the dust, or a wet soft cloth for stubborn dirt.

For transport use the original packing or designated accessory to avoid damages during the transport.

**For reasons of safety unauthorized changes are forbidden.**

A usage of the device which differs from usages which are described in this manual can cause damages of the device. In that case the warranty expires. Additional you should notice that every differed usage is related with dangers and can cause e.g. an electrical short, fire, electric shock or crash.

## 2.1.1. Overhead installation

**Danger of life!**
**You have to observe the regulations of BGV C1 (formerly VBG 70) and EN60598-2-17 Installations are to carry out by skilled personnel only.**

The suspension devices have to be build and measured so they can withstand for an hour the tenfold of the payload without suffering a permanent detrimental deformation.

Basically installation has to be made by using a second separate suspension. This can be e.g. a suitable net. The second suspension must be designed and attached so no part of the installation can fall down in case of failure.

During construction, reconstruction and deconstruction unnecessary stay in the range of moving areas, on lightning bridges, under elevated work stations or any other danger zones is forbidden.

The operator is obliged to following safety-related and mechanical facilities:

- Before the first start-up or after critical changes before restarting it has to be checked by an expert.
- Review in the frame of the inspection test at least all four years by an expert. .
- Review by a qualified person at least once a year.

**How to carry out the overhead installation:**
In tidal fall you should install the device out of the lounge area of people

**IMPORTANT!** Overhead installation requires a high level of experience. This includes knowledge of calculating the payload, used installation material and safety inspections of the used material and the projector whereas the required experience is not limited to this. Do not try to carry out installation yourself under any circumstances if you are not qualified. Contact a professional installer. An inappropriate installation can lead to injuries and/or damaged properties.

It is not allowed to install the device in the grip area of people.

If the device may hang from the ceiling or from high beams, the use of truss systems is mandatory. The device may not be installed so it can swing freely in the room.

Please note: Crashing down items can cause serious injuries! Do not install the projector, if you doubt the safety of a possible installation form!

Before installation make sure that the mounting surface has the ability to carry the tenfold point load of the own weight of the device.

Mount the device with the mounting-bracket to your trussing system using an appropriate clamp.

During overhead installation the device must be always secured by a safety rope which is designed to hold the twelvefold weight of device. Only safety ropes with quick-release safety fastener elements may be used. Hang up the safety rope in the hole of the mounting bracket. Direct the rope over the truss or an appropriate fastening point. Hang up the end in the fastening element and tie up the locking nut. A safety rope once exposed to failing load or damaged may not be used furthermore.

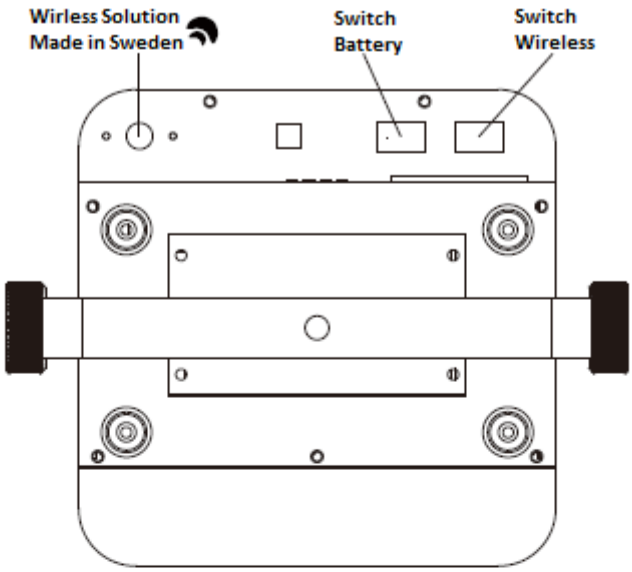
**The maximum drop exceed must not exceed 20cm.**

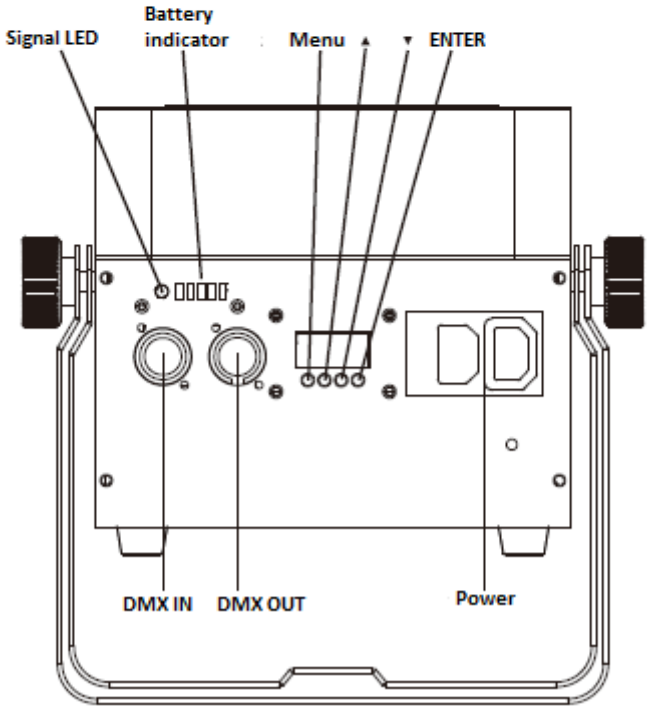
A safety rope once exposed to failing load or damaged may not be used furthermore.
Adjust the desired inclination angle via the mounting bracket and tighten the screw.

# 3. Introduction

Thank you for buying the **LED Accu Pad 7 7x10 W RGBWAUV white**. It is a powerful device.
For a successful installation and operation, please read this manual carefully.

## 3.1. Product overview

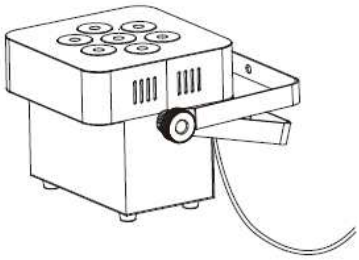


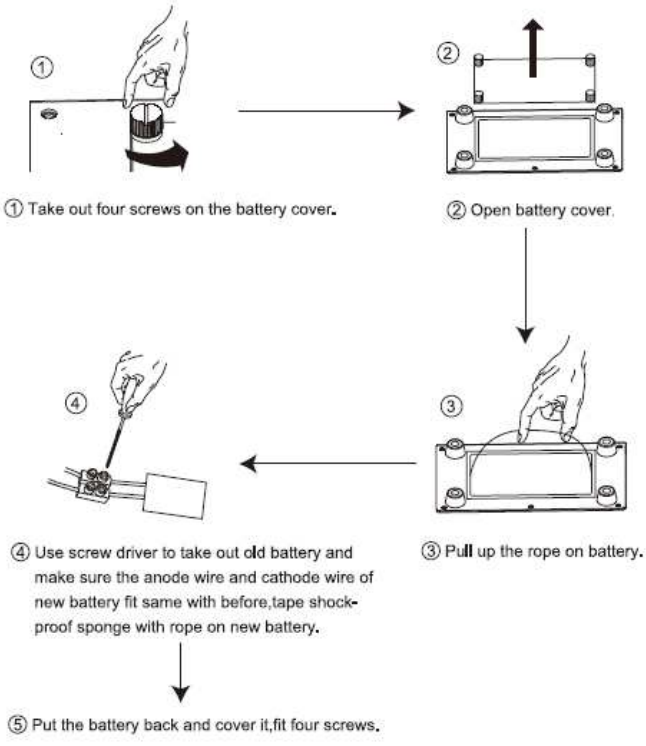
## 3.2. Battery

### 3.2.1. Battery charging

This device has a battery indicator. There you can readout which lifetime the battery has. During the charge the battery indicators light up in sequence.
You can use the device during the charge. Before you disconnect the device from the main, it should be charged completely.
The device should be charged one time each three months if you do not use the device, otherwise the volume of the battery will be cut down 20%.



### 3.2.2. Service



# 4. Connections

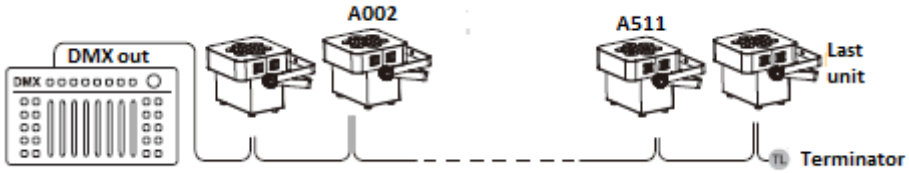
## 4.1. Electrical connections

If you wish to change the power supply settings, see the chapter Appendix. Connect the fixture to the mains with the enclosed power cable and plug. The earth has to be connected.

| Cable (EU) | Cable (US) | Pin | International |
|---|---|---|---|
| Brown | Black | Live | L |
| Light blue | White | Neutral | N |
| Yellow/Green | Green | Earth | ⏚ |

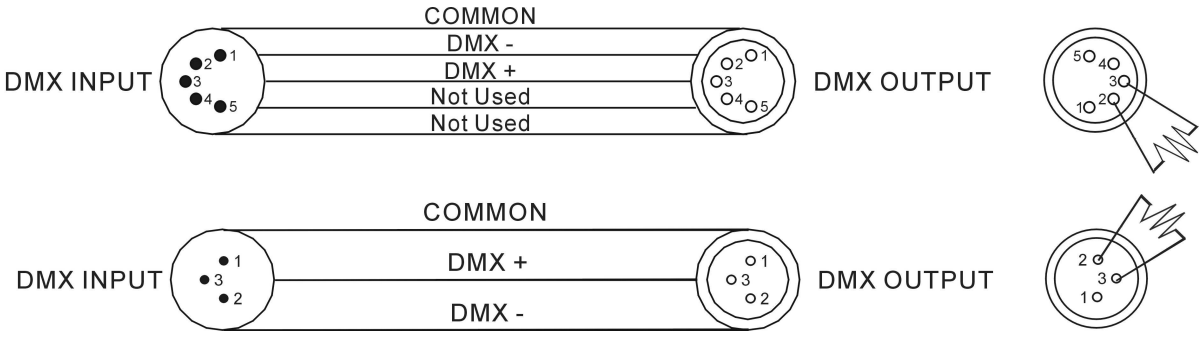
## 4.2. DMX connections

To make a DMX512 connection go ahead like it is described in the picture. Make sure that you use shielded cable. 3pole or 5pole XLR cables are suitable.
Important! After the last device the line has to be terminated. In order to do this you have to solder a 120Ω resistor between the pins Data + and Data -. You can solder this end resistor on a 3pin or 5pin XLR: Plug this adapter into the DMX output of the device.




## 4.3. DMX connection with terminator

Where the DMX cable has to run a long distance or the equipment is operated in an electrically noisy environment like a disco for installations, we recommend using a DMX terminator. This prevents corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR connector with a 120 Ω resistor between pins 2 and 3, which is then plugged into the XLR output socket of the last device in the series. Please look to the bottom drawings.



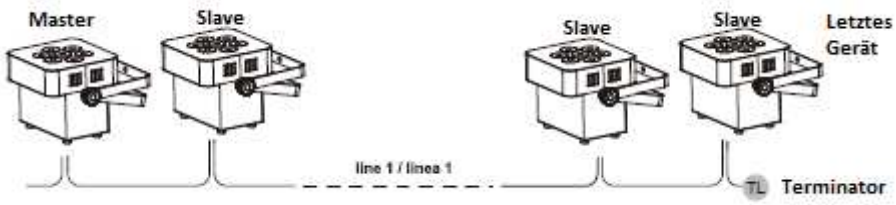
# 5. Control

## 5.1. Structure of the menu

To get to the main menu, press MENU. You are now in the main menu. You can select the menu items by using the UP / DOWN keys. When the function appears, you want to change, press the ENTER button. The following values can use the UP /DOWN change keys and press the ENTER key. To come up one menu level, press the MENU button again. For details on the functions you will learn in the next points of this manual.

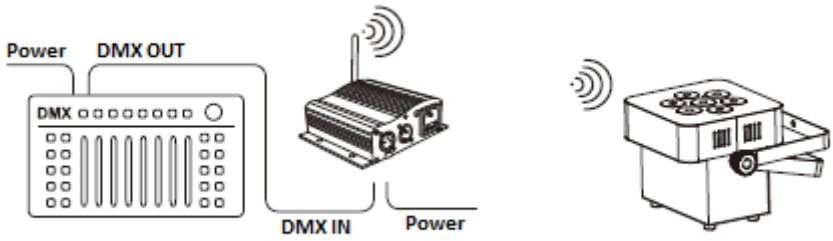
| Menu | Submenu 1 | Submenu 2 | Function |
|---|---|---|---|
| Addr | A001-A512 | | Set the DMX address. |
| CHnd | CH 1-CH 11 | | Set the desired DMX mode (1,2,8 or 11 channels). |
| Auto | At01-At20 | SP00-SP31 | Choose one of 20 automatic programs. The speed can be set I 31 steps. |
| SLAV | SLA | | Activates the slave mode. |
| Soud | Sou 1-Sou 2 | Se000-Se99 | Choose one of 2 music programs. The sensitivity of the microphone can be set in 99 steps. |
| MASt | On | | Activates the master mode. |
| | Off | | Deactivates the master mode. |
| ALLC | 000-255 | r000-r255 | Here you can set an individual color with the help of red, green, blue, white, amber and UV. |
| | | g000-g255 | |
| | | b000-b255 | |
| | | U000-U255 | |
| | | A000-A255 | |
| | | L000-L255 | |
| bLnd | No | | The LEDs are switched on. |
| | Yes | | The LEDs are switched off. |
| Led | On | | The display is permanent activated. |
| | 30 | | The display shuts down after 30s, if the device is not operated. |
| | 60 | | The display shuts down after 60s, if the device is not operated. |
| | 90 | | The display shuts down after 90s, if the device is not operated. |
| | 120 | | The display shuts down after 120s, if the device is not operated. |
| Uer | uXX | | Shows the current software version. |
| rSet | | | Reset |
| CoLo | Co01-Co70 | | Choose one of 70 different colors. |
| rELE | 0-200 | | Activates the wireless DMX. |
| rEno | On | | Activates the IR remote. |
| | OFF | | Deactivates the IR remote. |
| teMP | | | Shows the current temperature. |

## 5.2. Master-Slave




1. Connect all devices to each other.
2. Choose for the first device an automatic program (Menu: Auto) or a color (Menu: CoLo).
3. Activate at every other device the slave mode (Menu: SLAV).

## 5.3. Wireless DMX

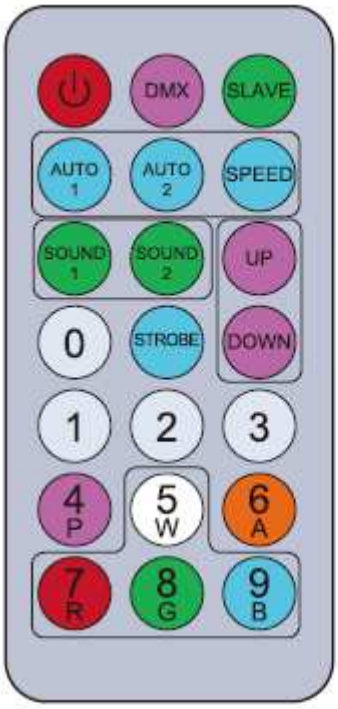



1. Choose **rELE** in the menu and confirm with ENTER.
2. Hold down the UP/DOWN button until you reach 200 and you can read out **YES**.
3. If you release the button the Wireless DMX indicator flashes one time. The connection was successful.

Note: The device stores the receiver. If you power off and on again the device will automatic connect to the receiver.
If you use another receiver please make this connection again.

## 5.4. IR remote

1. Choose **rEno** in the menu and confirm with ENTER.
2. To activate the IR remote control please choose **On** and confirm with ENTER.




Power on/off button

DMX button, to control DMX addrss when press this button. It is channel mode when double click.

Master-slave mode button.

Automatic mode button.

Speed adjustive button.

Sound mode button.

Up and down button, you can choose the program that you need or numerical.

Strobe button

0 1 2 3 4 P 5 W 6 A 7 R 8 G 9 B

You can use these number buttons to adjust numerical in any program mode.

7 R 8 G 9 B 5 W 6 A 4 P Color choosing buttons.

# 6. DMX chart

## 6.1. DMX mode 1 (1 channel)

| Channel | Value from | Value to | Function |
|---|---|---|---|
| 1 | 0 | 255 | 36 different color macros. |

## 6.2. DMX mode 2 (2 channels)

| Channel | Value from | Value to | Function |
|---|---|---|---|
| 1 | 0 | 255 | 36 different color macros. |
| 2 | 0 | 255 | Dimmer 0-100% |

## 6.3. DMX mode 3 (8 channels)

| Channel | Value from | Value to | Function |
|---|---|---|---|
| 1 | 0 | 255 | Dimmer 0-100% |
| 2 | 0 | 255 | Dimmer red 0-100% |
| 3 | 0 | 255 | Dimmer green 0-100% |
| 4 | 0 | 255 | Dimmer blue 0-100% |
| 5 | 0 | 255 | Dimmer white 0-100% |
| 6 | 0 | 255 | Dimmer amber 0-100% |
| 7 | 0 | 255 | Dimmer UV 0-100% |
| 8 | 0 | 8 | No function |
| | 9 | 255 | Strobe slow-fast |

## 6.4. DMX mode 4 (11 channels)

| Channels | Value from | Value to | Function |
|---|---|---|---|
| 1 | 0 | 255 | Dimmer 0-100% |
| 2 | 0 | 255 | Dimmer red 0-100% |
| 3 | 0 | 255 | Dimmer green 0-100% |
| 4 | 0 | 255 | Dimmer blue 0-100% |
| 5 | 0 | 255 | Dimmer white 0-100% |
| 6 | 0 | 255 | Dimmer amber 0-100% |
| 7 | 0 | 255 | Dimmer UV 0-100% |
| 8 | 0 | 8 | No function |
| | 9 | 255 | Strobe slow-fast |
| | | | Automatic programs |
| | 0 | 10 | No function |
| | 11 | 20 | Ramp-up |
| | 21 | 30 | Ramp-down |
| | 31 | 40 | Ramp-up/Ramp-down |
| | 41 | 50 | Color change Fade (5 Colors) |
| | 51 | 60 | Color change Flash (6 Colors) |
| | 61 | 70 | Color change Flash (27 Colors) |
| | 71 | 80 | Color change Flash (24 Colors) |
| | 81 | 90 | Color change Fade (6 Colors) |

| | | | |
|---|---|---|---|
| | 91 | 100 | Color change Fade (Red-Green; White-UV) |
| | 101 | 110 | Color change Fade (Red-Blue; White-Amber) |
| | 111 | 120 | Color change Fade (Green-Blue; White) |
| | 121 | 255 | Color change music controlled |
| 10 | 0 | 255 | Set the program speed or the sensitivity of the microphone. |
| 11 | 0 | 127 | Color change music controlled (static) |
| | 128 | 255 | Color change music controlled (Flash) |

# 7. Technical dato

| | |
|---|---|
| **Power supply** | |
| Voltage | 100-240 V AC, 50/60 Hz |
| Power consumption max. | 65 W |
| Battery | Yes |
| Other | 8.000 mAh battery |
| **Light source** | |
| LM type | LED |
| Color spectrum | RGBWAUV |
| Power | 70 W |
| Number / Power | 7x 10 W |
| **Optics** | |
| Beam angle | 23° |
| Others | 2200 Lux @2m |
| **Connections** | |
| Strom in | IEC |
| Strom out | IEC |
| XLR in/out | 3pin XLR |
| **Controlling** | |
| Sound-to-light | Yes |
| Automatic | Yes |
| Master-Slave | Yes |
| DMX512 | 1/2/8/11 channels |
| DMX Wireless | Yes |
| IR-IR remote | Yes |
| **Hardware** | |
| Protection class | IP20 |
| Dimensions (L/B/H) | 251 x 260 x 200 mm |
| Weight | 3,4 kg |

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